

NOTICE: THE INFORMATION AND
DESIGN CONTAINED HEREIN IS THE
PROPERTY OF PREMIER AVIATION
WHO RESERVES ALL RIGHTS THERETO

NOTES (UNLESS OTHERWISE SPECIFIED):

1. IDENTIFY PARTS PER PREMIER IDENTIFICATION AND MARKING PROCEDURES 115-12112 (PARA. 2.1/2.2).
 2. REMOVE ALL BURRS, BREAK ALL EDGES / CORNERS .015-.0625 EXCEPT AS NOTED.
 3. CHEM FILM (ALODINE) ALL ALUMINUM DETAIL PARTS PER MIL-C-5541, CLASS 1A, AND PRIME WITH EPOXY PRIMER PER MIL-P-23377C, ZINC CHROMATE PRIMER PER MIL-TTP-1757, OR EQUIVALENT.
 4. GENERAL SHOP PRACTICES I.A.W. PREMIER SPEC. 008-93000 AND AC43.13.
 5. WELD PARTS PER MIL-STD-2219 AND/OR MIL-W-8604.
 6. FIBERGLASS PER 008-93000 (DATE 4/22/91 REV A) STANDARD 1.9.0/1.9.1
 7. USE -05 BRKT MOUNT HOLES TO MATCH DRILL INSERT LOCATIONS (10 PL).
 8. USE -45 BRKT MOUNT HOLES TO MATCH DRILL INSERT LOCATIONS (2 PL).
 9. INSERT INSTALLATION REFERENCE PREMIER SPEC. 105-11007-100, PROCESS.

REV STATUS OF SHEETS	REV	C	C	C	C	C	C	B	C	B	C	C
	SHEET	1	1A	1B	2	3	4	5	6	7	8	9

REVISIONS					
ZONE	MOD	REV		DATE	APPROVED
		-	MFG. RELEASE	3/06/92	
		A	INCORP PER ECO 3594	9/09/92	
		B	REVISED PER ECO 4175	6/1/94	
		C	REVISED PER ECO 4354	10/13/94	

AR	MS21266-2	GROMMET
2	MS21075L-08	NUTPLATE
6	MS21059L3K	NUTPLATE
8	MS21059L3	NUTPLATE
20	MS21042L06	NUT
2	MS21042L04	NUT
6	MS21042L3	NUT
4	MS20470AD5	RIVET
AR	MS20470AD4	RIVET
AR	MS20426AD3	RIVET
1	MS18029-1L-3	COVER
23	NAS601-10	SCREW
1	NAS596-24	NUT
4	NAS43DD-3-16N	SPACER
4	NAS43DD-1-20	SPACER
16	NAS1149DN616K	WASHER
2	NAS1149DN416K	WASHER
4	NAS1149D0316K	WASHER
4	AN3C10A	BOLT
40	AN960PD6	WASHER
4	AN960PD4L	WASHER
12	AN960PD10	WASHER
22	AN960PD10L	WASHER
8	AN960KD10L	WASHER
1	AN924-8	NUT
	-05	BRACKET MODIFICATION
	-03	AIR CONDITIONER MODIFICATION
	-01	INSTALLATION

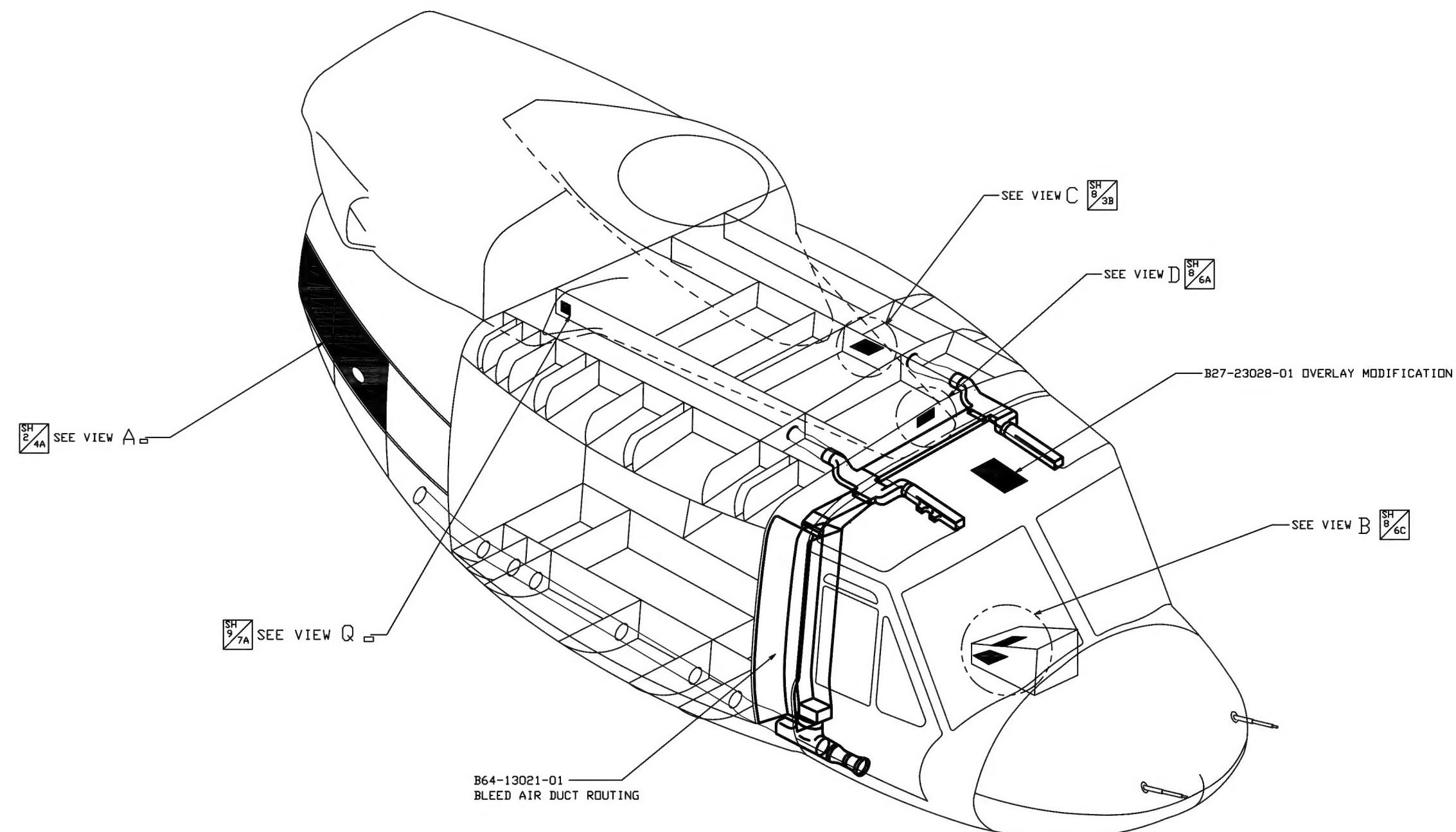
ECO
4413
4425
4656
4716
4809

QTY PER	QTY PER	PART NO.	DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ITEM NO.
-03	-01	PARTS LIST				
MATERIAL		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON DECIMALS .XX±.05 .XXX±.03 ANGLES ±1°				
		DRAWN DL KREMPIN	REV. 01/01/91	 Premier PREMIER AVIATION GRAND PRAIRIE, TEXAS		
FINISH LAST SECTION LETTER USED "R"		ON	NHA	BLEED AIR ECU ASSY/INSTL		
		412		APPROVAL <i>[Signature]</i>	RELEASED 03/06/92	APPROVAL
				SIZE D	CODE IDENT NO. OSUV8	REV. C
				SCALE 1:1	LUT. B64-13020	SHEET 1 OF 2

QTY PER	QTY PER	PART NO.	DESCRIPTION	SPECIFICATION	CODE IDENT NO.
-03	-01		PARTS LIST		
1	B64-13021-01		BLEED AIR DUCT ROUTING	PREMIER	
2	B80-22004-01		RELAY ASSY	PREMIER	
1	B64-13022-79		SCREEN	PREMIER	
1	B64-13022-77		DOUBLER ASSY.	PREMIER	
1	B64-13022-75		DUCT	PREMIER	
1	B64-13022-61		DUCT	PREMIER	
1	B64-13022-59		DUCT	PREMIER	
1	B64-13022-55		DUCT	PREMIER	
1	B64-13022-45		BRKT	PREMIER	
1	B64-13022-37		DOUBLER	PREMIER	
1	B64-13022-35		DOUBLER	PREMIER	
REF.	B64-13022-19		PIPE ASSY	PREMIER	
REF.	B64-13022-17		PIPE ASSY	PREMIER	
1	B64-13022-15		FLANGE ASSY	PREMIER	
1	B64-13022-13		BRKT ASSY	PREMIER	
1	B64-13022-11		DUCT ASSY	PREMIER	
1	B64-13022-09		BRKT ASSY	PREMIER	
1	B64-13022-07		BRKT ASSY	PREMIER	
1	B64-13022-05		BRKT ASSY	PREMIER	
1	B64-13022-03		DOUBLER ASSY	PREMIER	
1	B64-13022-01		DOOR ASSY	PREMIER	
1	B30-24003-01		ECU CONTROL PANEL	PREMIER	
1	B27-23028-01		OVERLAY MODIFICATION	PREMIER	
A/R	1304		RESIN	WAGGONER PLASTICS INC.	
A/R	1581/50		FIBERGLAS CLOTH	WAGGONER PLASTICS INC.	

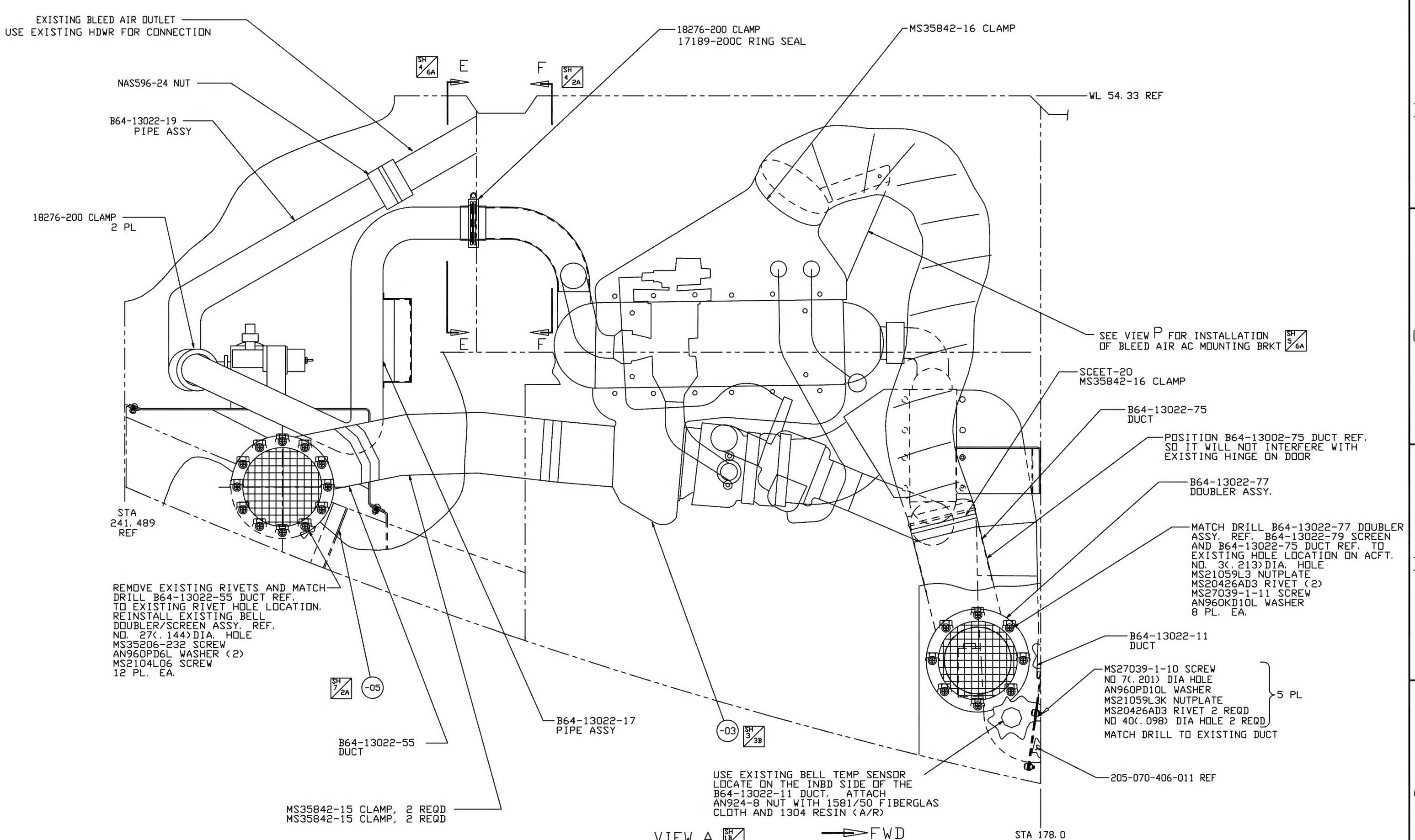
QTY PER	PART NO.	DESCRIPTION	SPECIFICATION	CODE IDENT NO.
-03 -01	PARTS LIST			
2	2T-1B-126	RELAY	HI-G CO	
A/R	847	ADHESIVE	3M	
1	2203010-1-1	ENVIR CONTROL UNIT	AIR RESEARCH	
1	17189-200C	RING SEAL	AERODUCT	
3	18276-200	CLAMP	AERODUCT	
1	3214532-2-3	PRESSURE RELIEF SHUTOFF VALVE	AIR RESEARCH	
10	RF4	RECEPTACLE	DZUS	
A/R	EA934	ADHESIVE	HYSOL	
A/R	CR3243-3	RIVET	CHERRY	
A/R	CR3243-4	RIVET	CHERRY	
A/R	SCEET-20	HOSE, 36.00 LG	AERODUCT	
A/R	SCEET-18	HOSE, 21.20 LG	AERODUCT	
16	80-005-2-8	INSERT	BELL	
2	80-005-1-8	INSERT	BELL	
1	MS35842-16	CLAMP		
2	MS35842-15	CLAMP		
4	MS35338-138	LOCK WASHER		
12	MS35206-232	SCREW		
4	MS35206-230	SCREW		
4	MS35206-228	SCREW		
6	MS35206-214	SCREW		
REF	MS3120E12-10S	CONNECTOR		
1	MS27212-1-3	TERMINAL STRIP		
8	MS27039-1-11	SCREW		
6	MS27039-1-10	SCREW		
6	MS27039-1-08	SCREW		
12	MS27039-1-07	SCREW		
4	MS27039-0806	SCREW		

SIZE	CODE IDENT NO.		REV
D	DSUV8	B64-13020	C
BLEED AIR ECU ASSY/INSTALL		SHEET 1A OF 9	

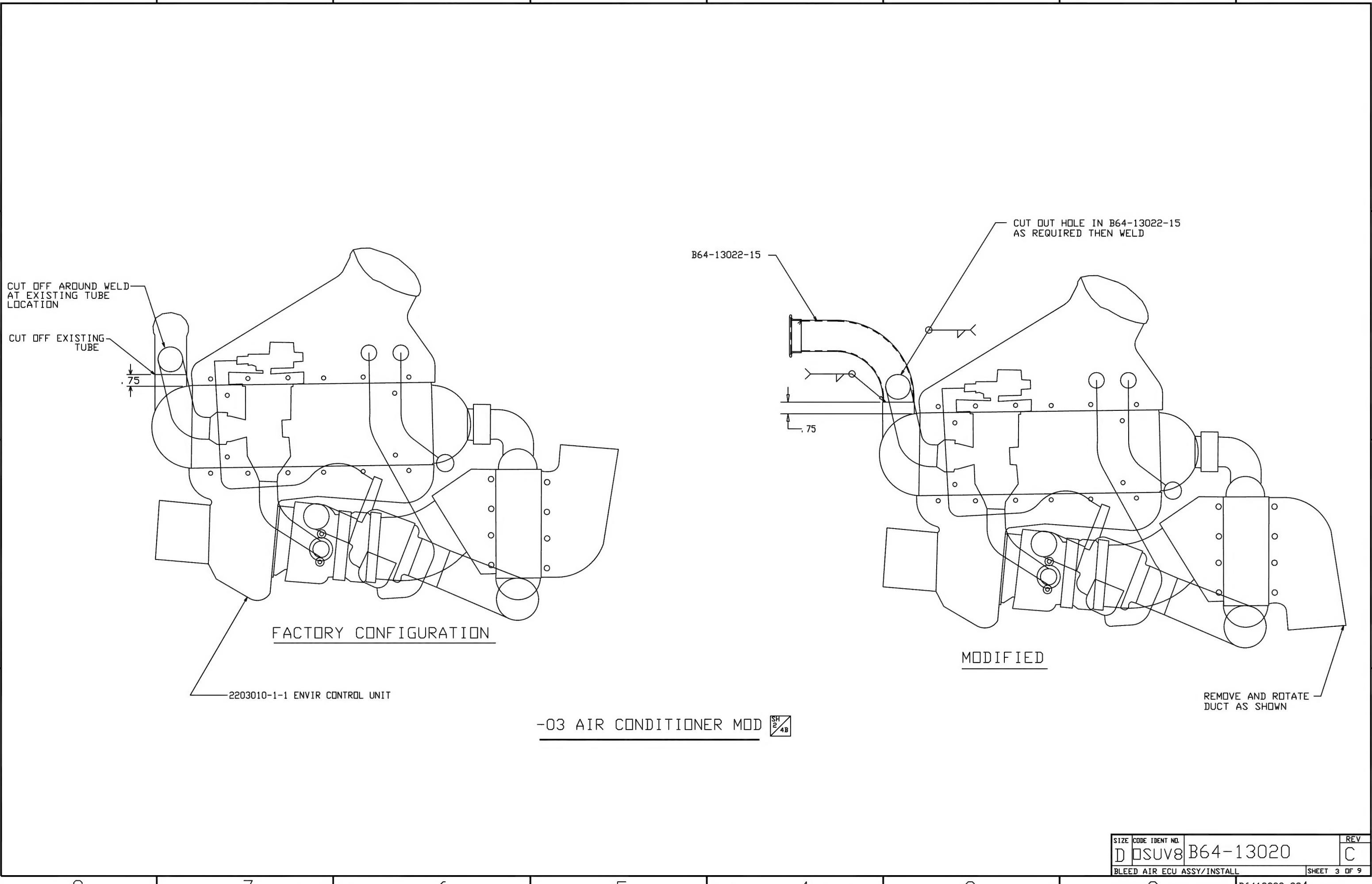


-01 INSTALLATION

SIZE	CODE IDENT NO.	REV
D	SUV8	B64-13020
BLEED AIR ECU ASSY/INSTALL		
SHEET 1B OF 9		



SIZE	CODE IDENT NO.	
D	OSUV8	B64-13020
		REV C
BLEED AIR ECU ASSY/INSTALL		
SHEET 2 OF 9		



IF AN AFCS RELAY CONT. BOX EXISTS AT THIS LOCATION, IT WILL NEED TO BE RELOCATED SEE VIEW R SHEET 9 ZONE 2B

EXISTING LOCATION OF BELL 205-030-405-109

NEW LOCATION OF BELL 205-030-405-109
MS20470AD4 RIVET
16 PL.

RBL 14.0 REF
B64-13022-35 DOUBLER
NAS601-10 SCREW
AN960PD6 WASHER
15 EA REQD

1.10

WL 54.89 REF

MATCH DRILL B64-13022-03
DOUBLER ASSY, REF TO
EXISTING CLAMP LOCATION
IF REQUIRED
NO. 10(.193) DIA. HOLE

MS21266-2 GROMMET
847 ADHESIVE

RIVETS SHOWN IN THIS LOCATION WILL
ONLY BE REQUIRED IF THE AFCS RELAY
CONT. BOX EXISTS
MS20470AD5 RIVET (2)
MS20470AD4 RIVET (8)

VIEW E-E 
VIEW LOOKING FWD
@ STA 211.06 REF

RIVETS SHOWN IN THIS LOCATION WILL
ONLY BE REQUIRED IF THE AFCS RELAY
CONT. BOX EXISTS
MS20470AD5 RIVET (2)
MS20470AD4 RIVET (8)

B64-13022-03 DOUBLER ASSY

RBL 14.0
REF

WL 54.89 REF

B64-13022-37 REF

MS20470AD4 RIVET
35 PL

VIEW F-F 
VIEW LOOKING AFT
@ STA 211.06 REF

SIZE	CODE IDENT NO.	REV
D	OSUV8	B64-13020
BLEED AIR ECU ASSY/INSTALL		
SHEET 4 OF 9		

8

7

6

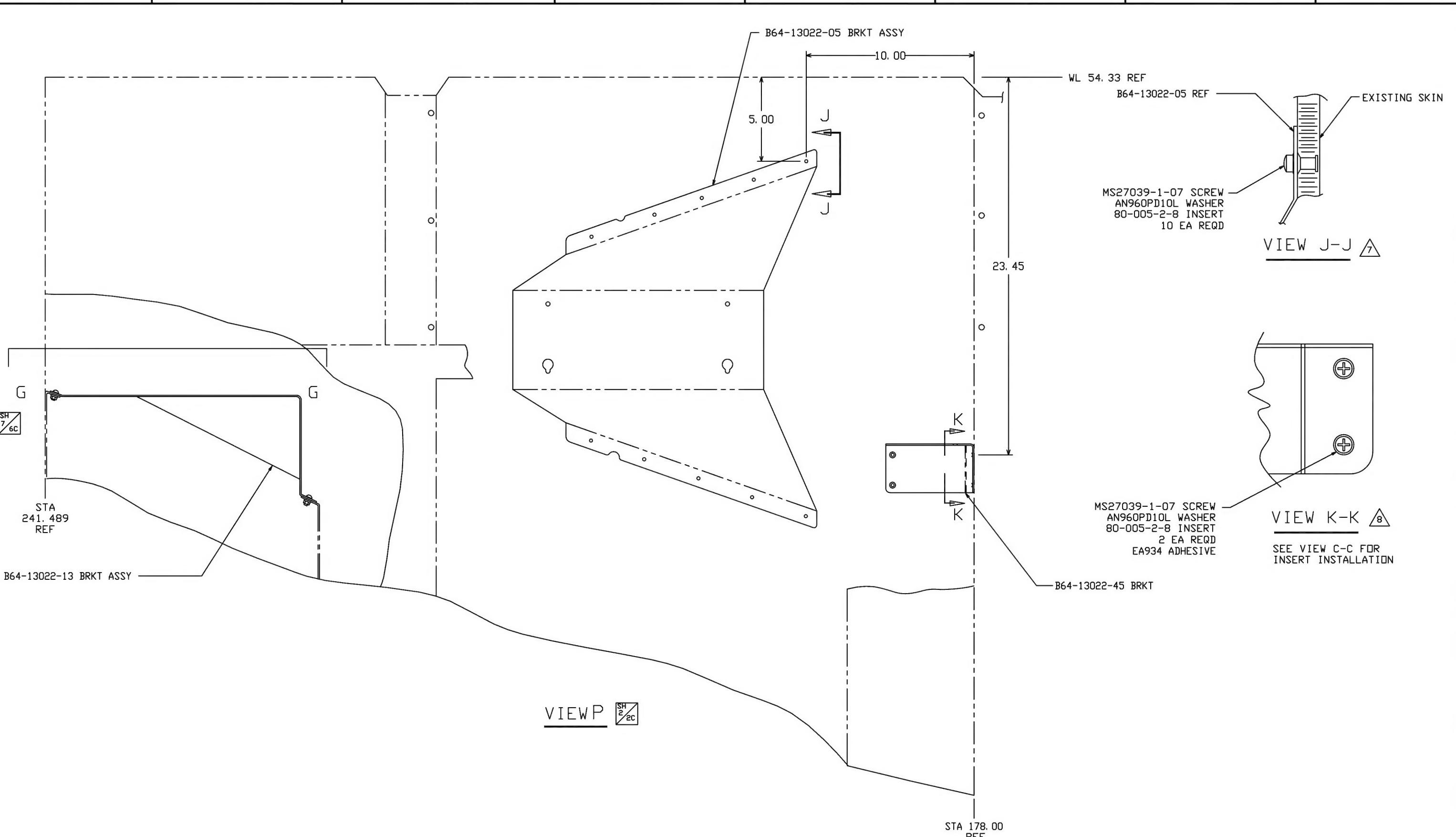
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4

3

2

1



SIZE	CODE IDENT NO.	REV
D	OSUV8	B64-13020
BLEED AIR ECU ASSY/INSTALL		
SHEET 5 OF 9		

8

7

6

5

4

3

2

1

B6413020, 051

8

7

6

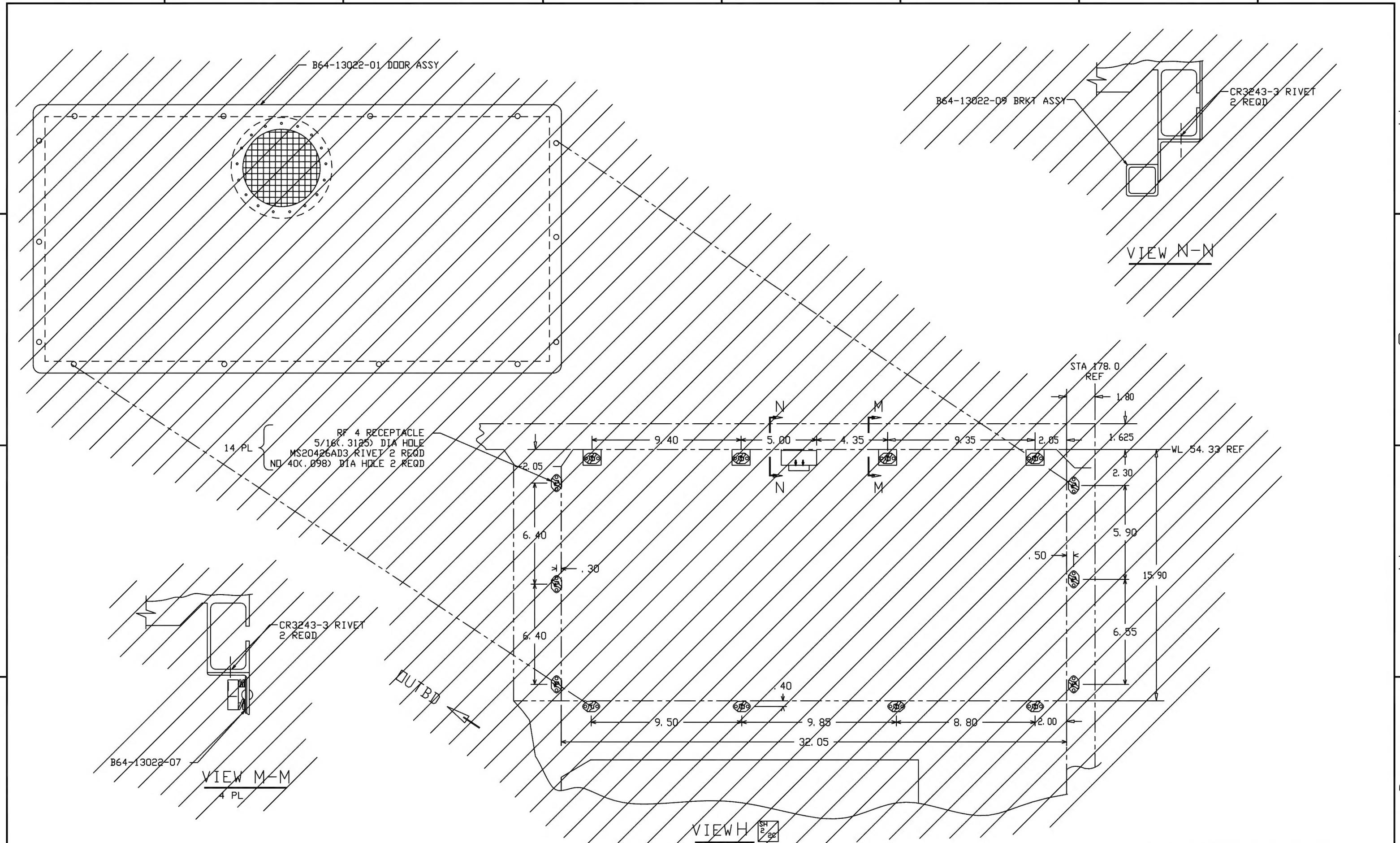
5

4

3

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1



SIZE	CODE IDENT NO.	REV
D	OSUV8	C
B64-13020		
BLEED AIR ECU ASSY/INSTALL		
SHEET 6 OF 9		

8

7

6

5

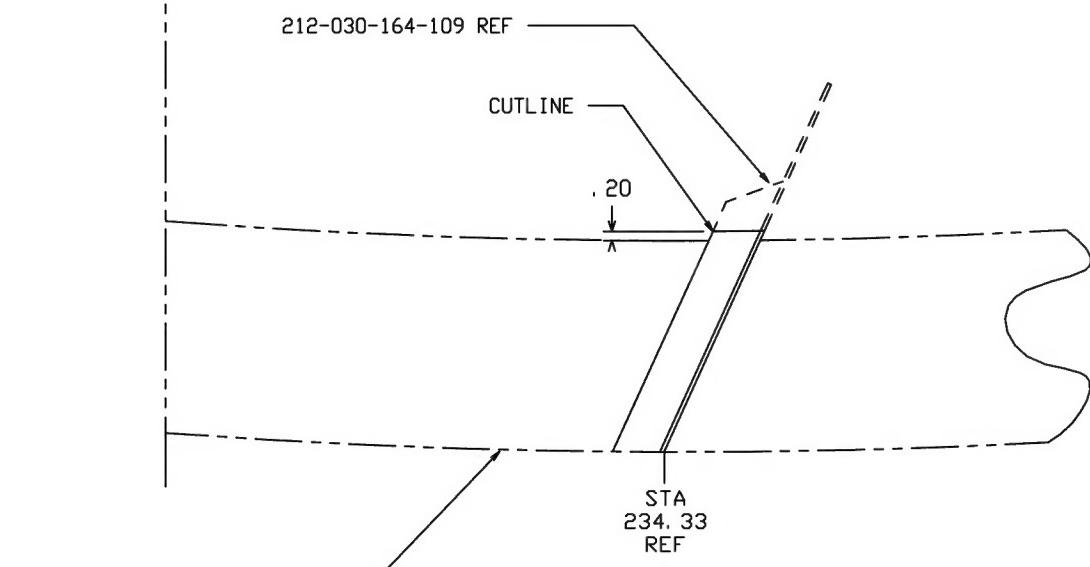
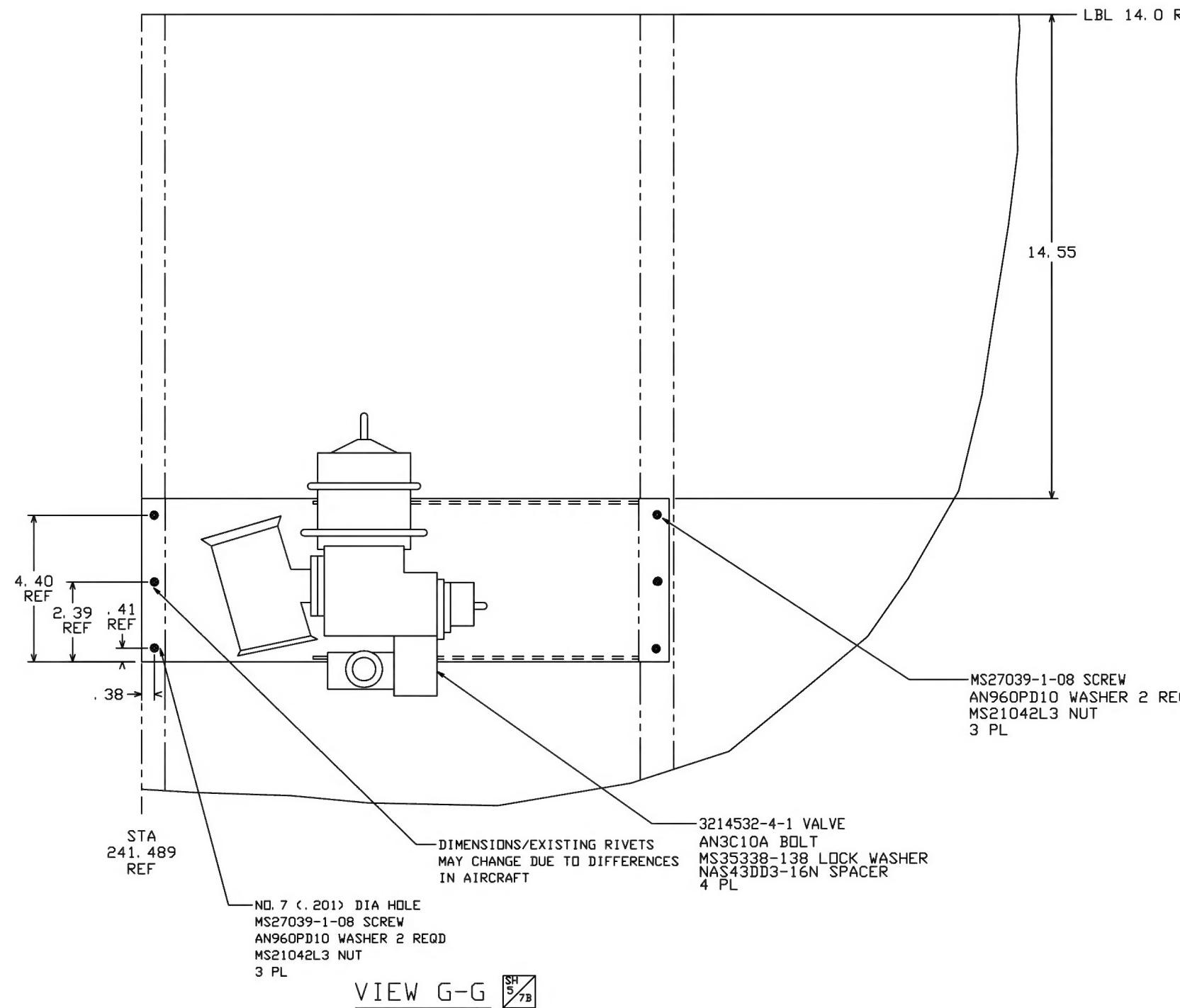
4

3

2

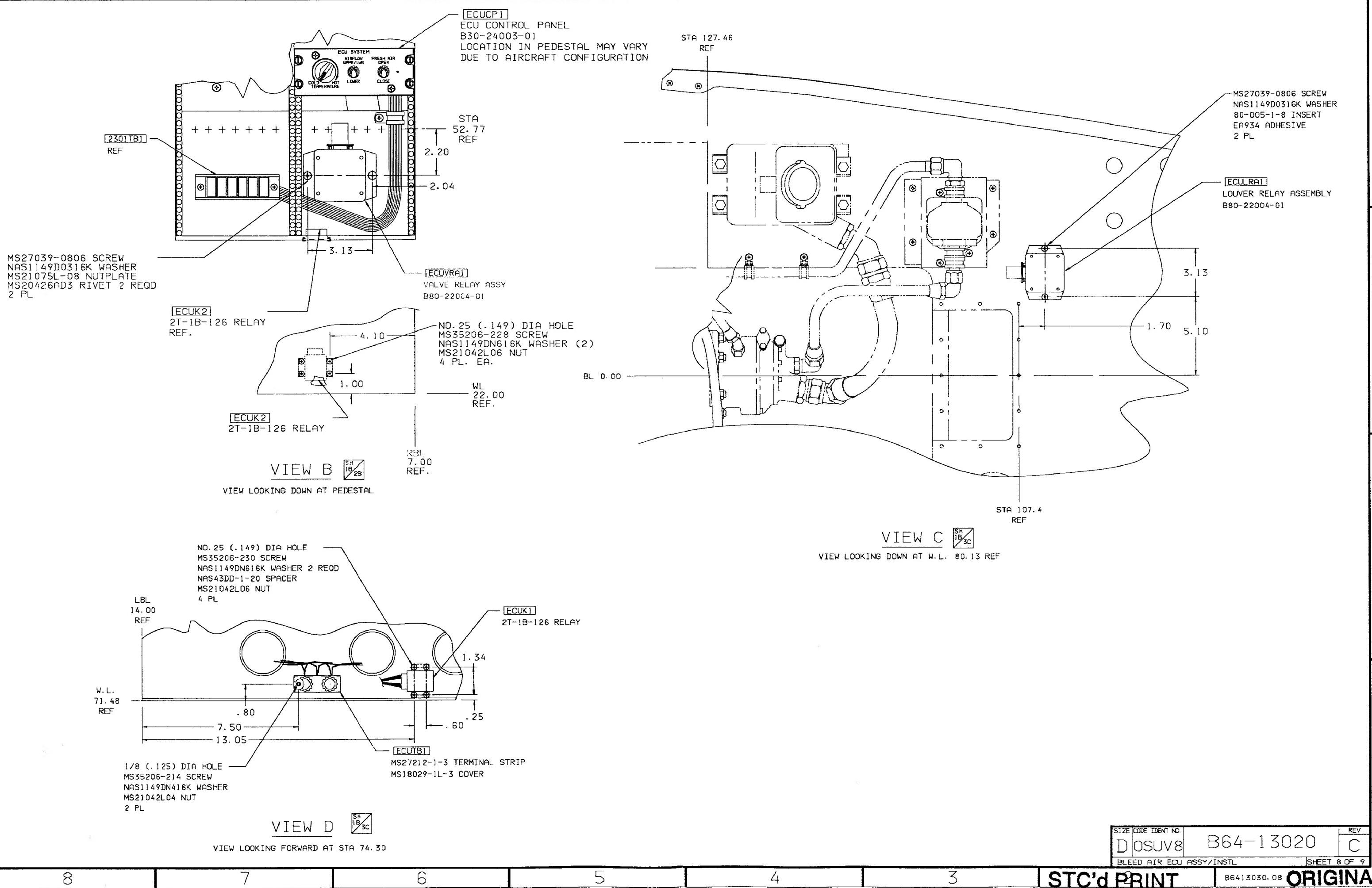
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B6413020, 061

FWD-05 BRKT MOD SH 2/6B

SIZE	CODE IDENT NO.	REV
D	OSUV8	B64-13020
	BLEED AIR ECU ASSY/INSTALL	B

SHEET 7 OF 9



D

D

C

C

B

B

A

A

STA
161.00
REF.

[ECUBH1P1]
MS3120E12-10S CONNECTOR REF
MATCH DRILL AIRCRAFT TO CONNECTOR
MS35206-214 SCREW
AN960PD4L WASHER
4 PL
FSU-20 NUT RING

RBL
14.00
REF.

[ECUBH1P1]
MS3120E12-10S CONNECTOR REF
MATCH DRILL AIRCRAFT TO CONNECTOR
MS35206 214 SCREW
AN960PD4L WASHER
4 PL
FSU-20 NUT RING
REF.

WL
80.13
REF.

OUTSIDE SKIN

EXISTING CONNECTOR
REF.

INSIDE CABIN

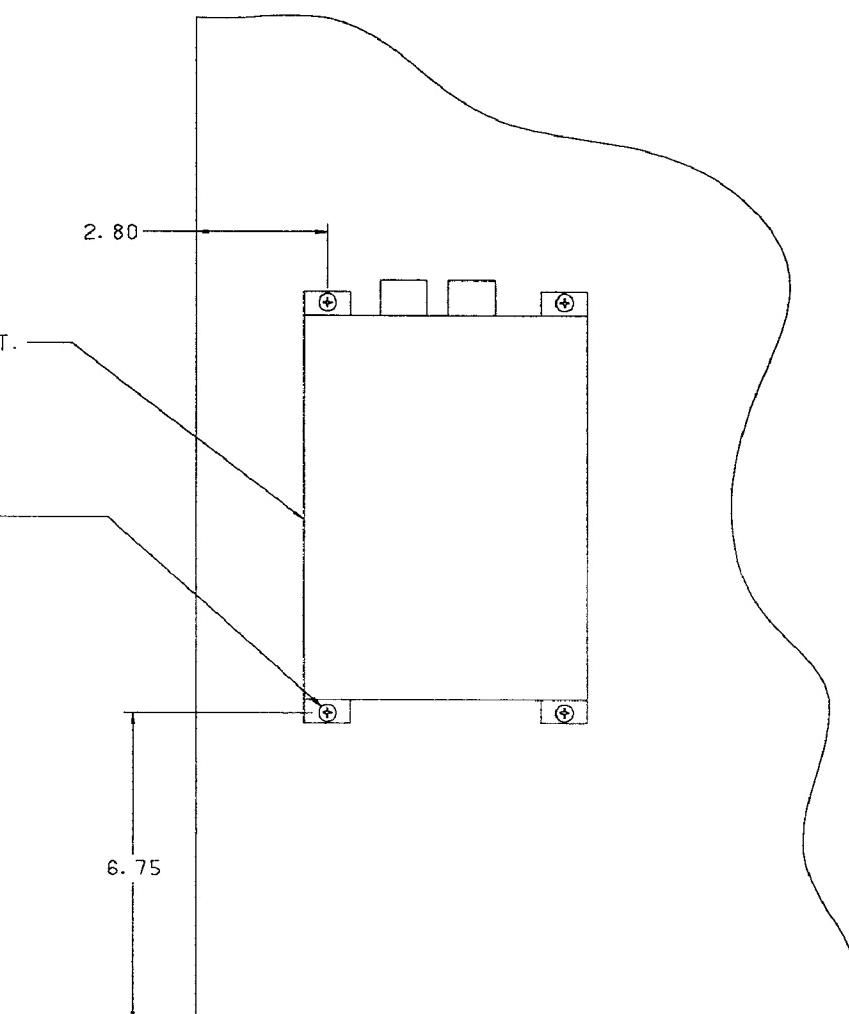
VIEW Q SH 1B 6B
VIEW LOOKING INBOARD
AT RBL 14.00 REF.

FWD

WL
20.00
REF.

LBL
14.00
REF.

VIEW R SH 4/8D
VIEW LOOKING FWD AT
STA 211.06 REF.



SIZE CODE IDENT NO.
D 05UV8 B64-13020
REV C
BLEED AIR ECU ASSY/INSTL.

SHEET 9 OF 9

STC'd PRINT

B6413020,09

ORIGINAL

STC SH8443SW

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4809	EFF DATE OF CHG 13 AUG. 1996	REQUESTED BY Ray Morrison	PREMIER	PAGE 1 OF
REASON FOR CHANGE ADD ALTERNATE LOCATION		DOCUMENTS AFFECTED Blot-13020	SYSTEM	MATERIAL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	REWORK	STORE	IN MFG.
			SCRAP		
			USE AS IS		

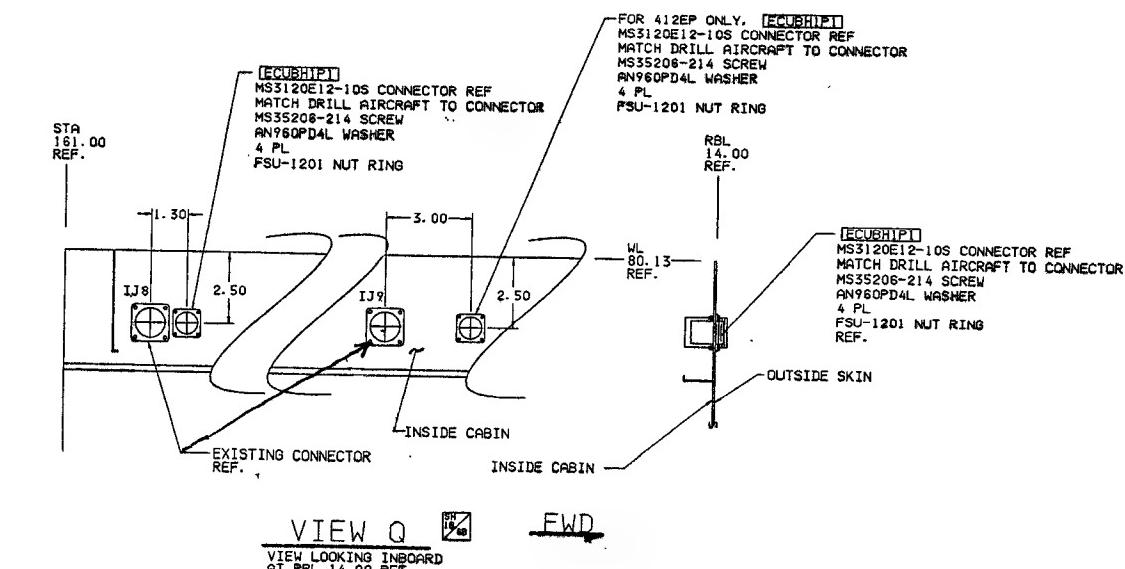
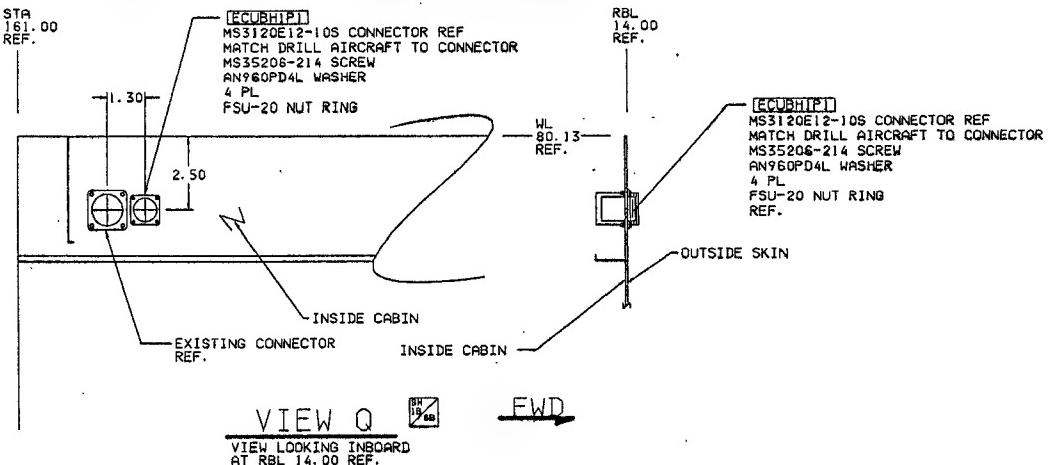
DISPOSITION / COMMENTS

Rev is "C"

This is an unincorporated ECO.

STC # SH 8443 SW

DESCRIPTION

SH 8443 : DETAIL & CALLOUT

IMPACT		YES	NO	PROCUREMENT ACTION	PRIORITY	CHANGE CLASSIFICATION	
INTERCHANGEABILITY		<input type="checkbox"/>	<input checked="" type="checkbox"/>	YES	1 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> RECORD	
DRAWING CHANGE		<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO	2 <input type="checkbox"/>	<input type="checkbox"/> PMA MAJOR <input type="checkbox"/> TSO MAJOR	
SPECIFICATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>		3 <input type="checkbox"/>	<input type="checkbox"/> PMA MINOR <input type="checkbox"/> TSO MINOR	
SPARES		<input type="checkbox"/>	<input checked="" type="checkbox"/>				
PREPARED BY <i>S. Wells</i>	DATE 8/12/96	PROJECT ENG	DATE	QA <i>mwteam</i>	DATE 8/13/96	FAA SUBMITTAL <i>YES</i>	
CHECKED BY <i>Rey Reynolds</i>	DATE 8/16/96	MFG <i>Atmomy</i>	DATE 9-19-96	PROD SPRT	DATE	ENGRG APPR <i>W. Morrison</i>	DATE 9/11/96

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4716	EFF DATE OF CHG 04 APR. 96	REQUESTED BY JEFF J.	PREMIER	PAGE 1 OF 1
REASON FOR CHANGE ADMINISTRATIVE		DOCUMENTS AFFECTED B64-13020	SYSTEM BLEED AIR ECU	MATL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			SERIAL NO EFF	REWORK	STORE IN MFG.
				SCRAP	
				USE AS IS	

DISPOSITION / COMMENTS

B64-13020 REV IS C.

STC SH8443SW

THIS IS AN UNINCORPORATED ECO.

DESCRIPTION

B64-13020 SH 1:

ADD B00-13022 TO NHA BLOCK.

B64-13020 SH 1B: ZONE 2C

B27-23028-01 OVERLAY MODIFICATION

" WAS "

B27-23028-01 OVERLAY MODIFICATION (412/412EP ONLY)
327-23004-01 OVERLAY MODIFICATION (212 ONLY)

" IS "

IMPACT		PROCUREMENT	PRIORITY	CHANGE CLASSIFICATION	
INTERCHANGEABILITY	DRAWING CHANGE	ACTION	1 <input type="checkbox"/>	RECORD	TSO MAJOR
SPECIFICATION	SPARES	YES NO	2 <input type="checkbox"/>	PMA MAJOR	TSO MINOR
			3 <input checked="" type="checkbox"/>	PMA MINOR	TSO MINOR
PREPARED BY <i>T. Jones</i>		DATE 3/22/96	PROJECT ENG <i>J. Jones</i>	QA <i>J. Jones</i>	DATE 3/26/96
CHECKED BY <i>P. Vanover</i>		DATE 3/22/96	MFG <i>J. Jones</i>	PROD SPRT <i>J. Jones</i>	DATE <i>J. Jones</i>
					ENGRG APPR <i>W. Hamaker</i>
					DATE 4/4/96

ECO ■ 4716

ECR

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. <u>4656</u>	EFF DATE OF CHG <u>30 Nov. 95</u>	REQUESTED BY <u>J. BIVENS</u>	PREMIER	PAGE <u>1</u> OF <u>1</u>
REASON FOR CHANGE <u>CERTIFICATION</u>		DOCUMENTS AFFECTED B64-13020 B64-13021 B64-13022 B74-22008	SYSTEM	MATL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	REWORK	STORE	IN MFG.
DISPOSITION / COMMENTS B64-13020 REV. IS "C" B64-13021 REV. IS "C" B64-13022 REV. IS "C" B74-22008 REV. IS "E"		THIS ECO TO BE INCORPORATED AT A LATER DATE. (STC SH8443SW)			

DESCRIPTION

• ADD "Z12" TO USED ON BLOCK TO
DRAWINGS LISTED ABOVE.

B74-22008 Incorp per ECO 4991

ECO 4656

ECR

IMPACT		YES	NO	PROCUREMENT ACTION		PRIORITY	CHANGE CLASSIFICATION	
INTERCHANGEABILITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>		YES	NO	1 <input type="checkbox"/>	<input checked="" type="checkbox"/> RECORD	
DRAWING CHANGE	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2 <input type="checkbox"/>	<input type="checkbox"/> PMA MAJOR	<input type="checkbox"/> TSO MAJOR
SPECIFICATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 <input checked="" type="checkbox"/>	<input type="checkbox"/> PMA MINOR	<input type="checkbox"/> TSO MINOR
SPARES	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
PREPARED BY <u>L. Celestino</u>	DATE <u>11/30/95</u>	PROJECT ENG	<u>1</u>	DATE	<u>11/30/95</u>	QA <u>CELESTINO</u>	DATE <u>11/30/95</u>	FAA SUBMITTAL <u>YES</u>
CHECKED BY <u>W. Hamaker</u>	DATE <u>11/30/95</u>	MFG		DATE		PROD SPRT <u>N</u>	DATE	ENGRG APPR <u>W. Hamaker</u>
								DATE <u>11/30/95</u>

■ ECO ECR **4425**

NO.

EFF DATE OF CHG

19 JAN. 95

REQUESTED BY

Q.C.

PREMIER

PAGE

1
OF
1

REASON FOR CHANGE

ACFT UPDATE

MARKED PRINTS ATTACHED

YES NO

DOCUMENTS AFFECTED

SEE
BELOW

SYSTEM

SERIAL NO EFF

MATL DISPOSITION

REWORK

STORE IN MFG.

SCRAP

USE AS IS

DISPOSITION / COMMENTS

SEE BELOW

THIS ECO TO BE INCORPORATED AT A LATER DATE

DESCRIPTION

"DWG. NO"

"REV. IS"

B30.23000

D

000.13000

E

000.13001

E

000.13002

E

B64.13020

C

B64.13021

C

B64.13022

C

B74.22008

B

B19.13000

H

B19.13003

B

B20.13101

G

B19.13001

G

B20.13006

C

B74.24017

H

SH8625SW

SH8477SW

SH8478SW

SH8479SW

SH8443SW

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<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4413	EFF DATE OF CHG 6 JAN 95	REQUESTED BY ECR 788	PREMIER	PAGE <u>1</u> OF <u>1</u>
REASON FOR CHANGE DRAWING ERROR		DOCUMENTS EFFECTED B64-13020	SYSTEM BLEED AIR ECU ASSY/INSTL	MATL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			SERIAL NO. EFF	REWORK	STORE
DISPOSITION/COMMENTS REV. "IS" C		THIS IS AN UNINCORPORATED ECO (STC SH8443SW)			

DESCRIPTION
SHEET 1A

"CHANGED" PARTS LIST ZONE 3C
 "WAS" 3 18276-200 CLAMP AERODUCT
 "IS" 2 24540-200 CLAMP AERODUCT
 "ADDED" TO PART LIST ZONE 8A UNDER -01 QTY. PER
 1 24502-200 CLAMP AERODUCT

SHEET 2

"CHANGED" CALLOUT ZONE 8C
 "WAS" 18276-200 CLAMP, 2 PL
 "IS" 24540-200 CLAMP, 2 PL
 "CHANGED" CALLOUT ZONE 4D
 "WAS" 18276-200 CLAMP, 17189-200C RING SEAL
 "IS" 24502-200 CLAMP, 17189-200C RING SEAL

ECO ■ 4413

ECR

IMPACT INTERCHANGEABILITY	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	PROCUREMENT ACTION YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	PRIORITY 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>	CHANGE CLASSIFICATION ■ RECORD □ PMA MAJOR □ TSO MAJOR □ PMA MINOR □ TSO MINOR
DRAWING CHANGE	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
SPECIFICATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
SPARES	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
PREPARED BY R. MADARIS	DATE 01/05/95	PROJECT ENG	DATE	QA <i>Charly S.</i>	DATE 1/6/95	FAA SUBMITTAL YES
CHECKED BY <i>Rch. Bym. b</i>	DATE 05 JAN 95	MFG	DATE	PROD/SPRT	DATE	ENRG APPR <i>W. Hamacher</i>
						DATE 1/6/95